

Report No.: 202601241128

Test Time: 2026-01-24 11:30

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: ASD-LPR-20D42MV-WH-5000K

Voltage: 121.0 V

Current: 0.329 A

Power: 39.38 W

Power Factor: 0.989

Photometric Results

CIE Class: Direct

Measurement Flux: 3316.6 lm

Downward Ratio: 98%

Total Rated Lamp Lumens: 3316.6 lm

Efficiency: 100%

Upward Ratio: 2%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 164.3, 163.5, 164.0, 163.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.9, 113.2, 113.6, 113.4

Luminaire Efficacy Rating (LER): 84.27

Central Intensity: 1111.45 cd

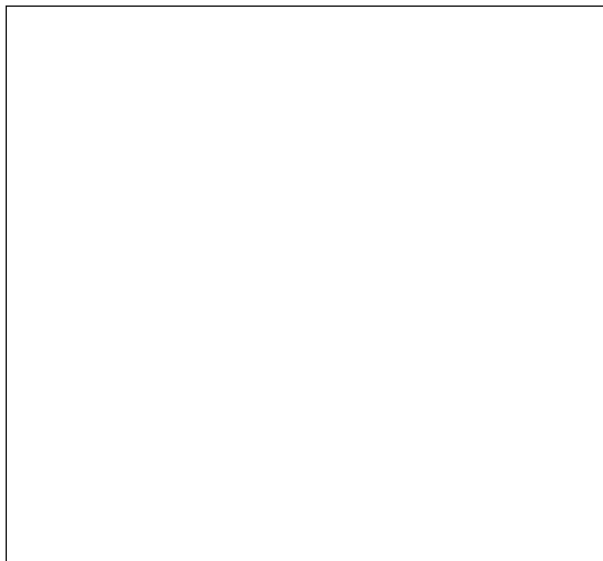
Max. Intensity: 1114.7 cd

Pos of Max. Intensity: H150 V1

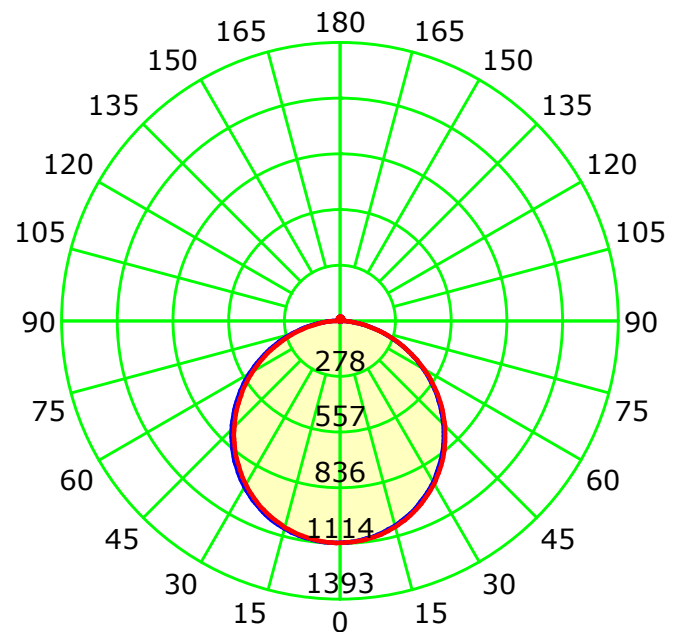
S/MH(C0/C180): 1.26

S/MH(C90/C270): 1.26

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 113.5°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

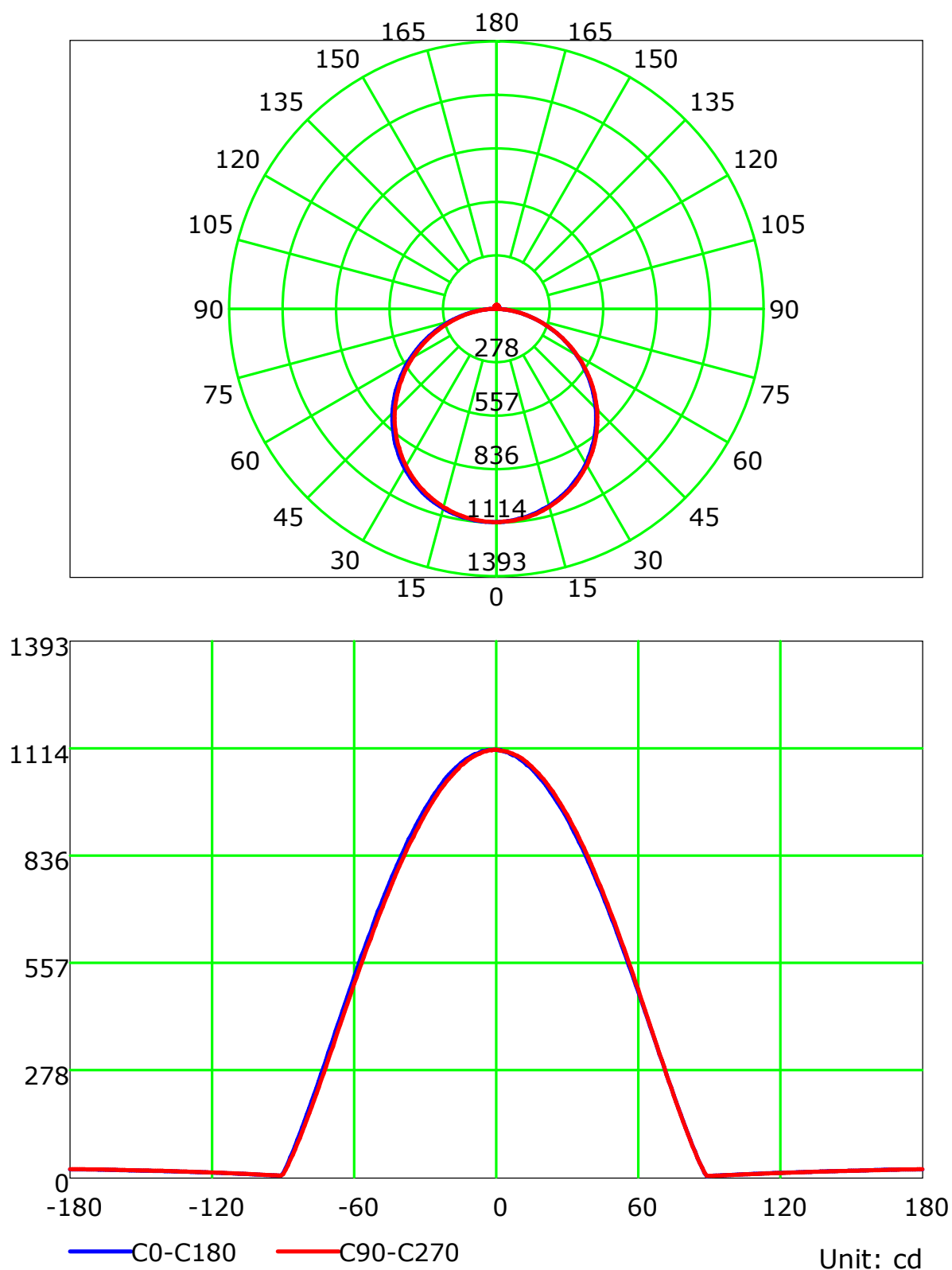
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

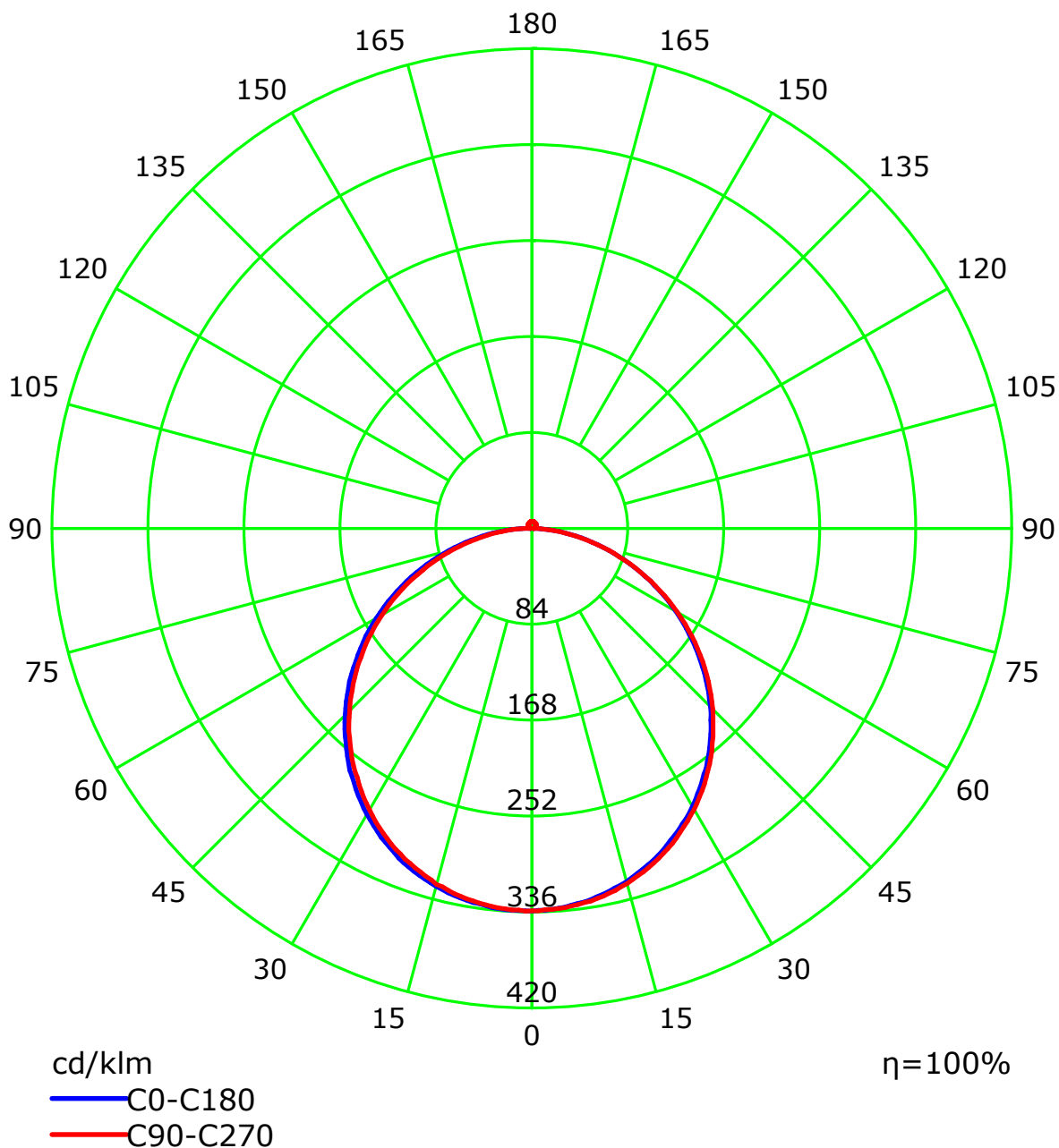
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

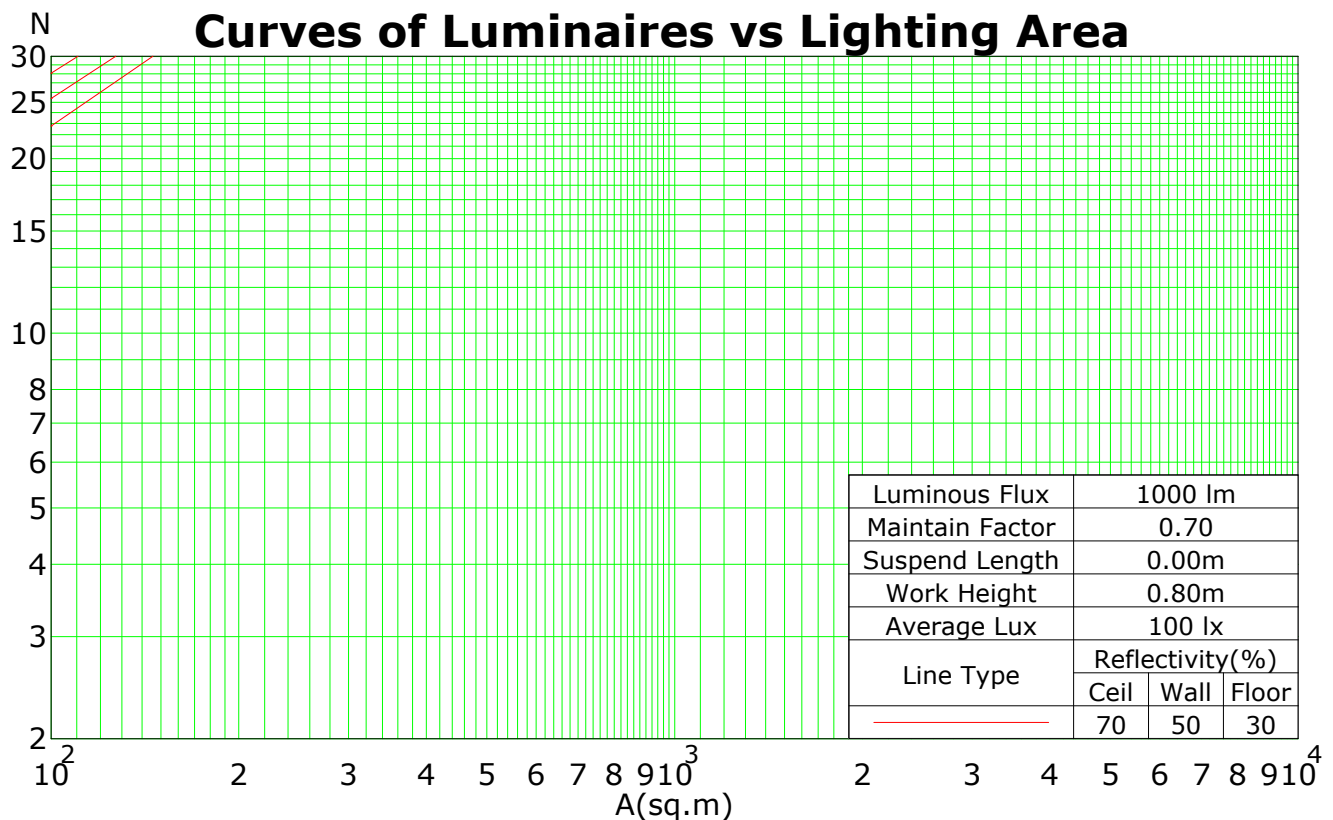
Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	118	118	118	118	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	108	103	99	95	105	101	97	93	96	93	90	92	89	86	88	85	83	81
2	98	90	83	77	95	87	81	76	84	78	74	80	75	72	77	73	70	67
3	89	78	70	64	86	77	69	63	73	67	61	70	65	60	67	63	59	56
4	82	69	61	54	79	68	60	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	50	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	42	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

Spacing Criteria (0-180): 1.26

Spacing Criteria (90-270): 1.26

Spacing Criteria (Diagonal): 1.38



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

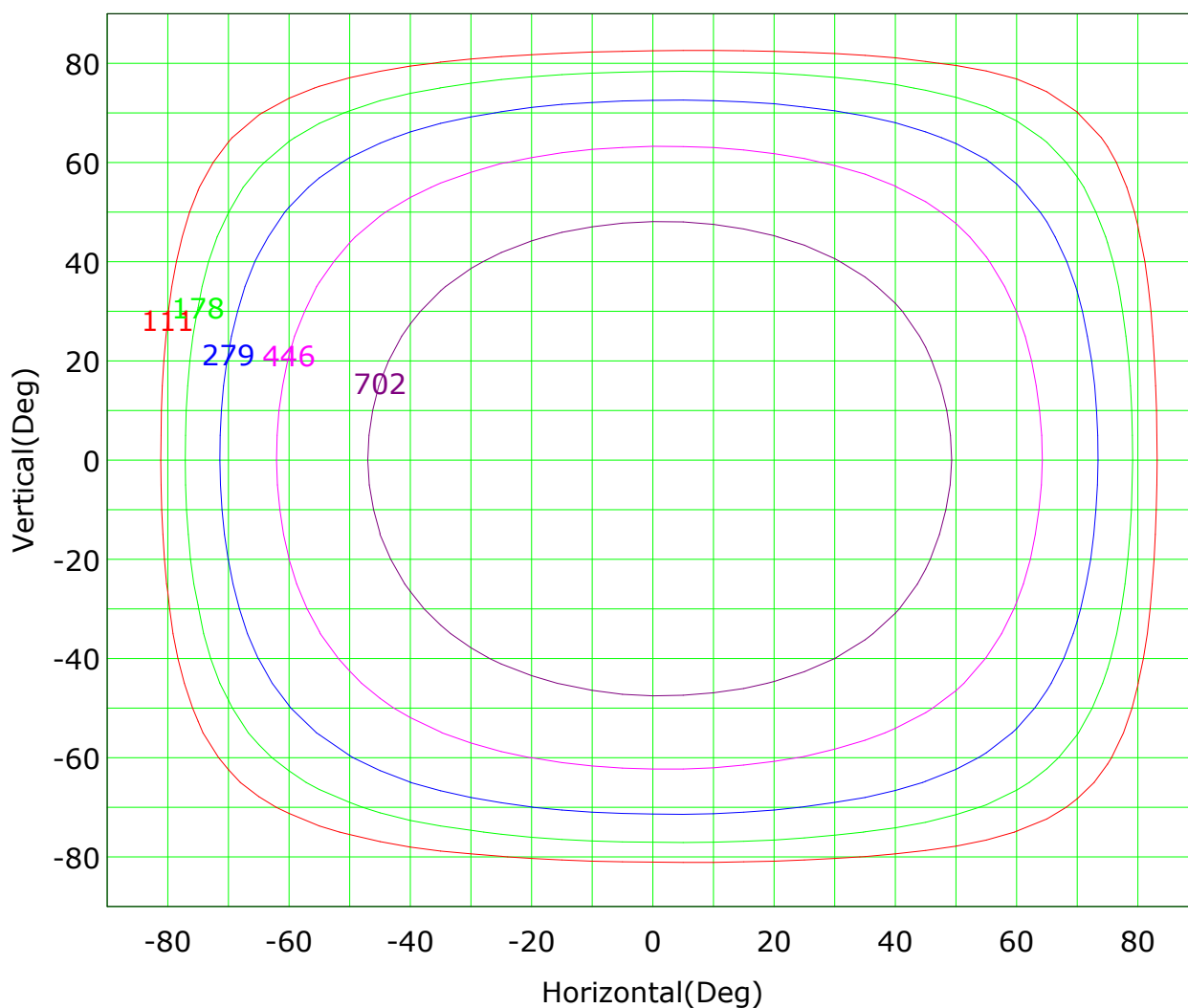
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 1115 cd

(10%): 111 cd	(16%): 178 cd
(25%): 279 cd	(40%): 446 cd
(63%): 702 cd	(100%): 1115 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

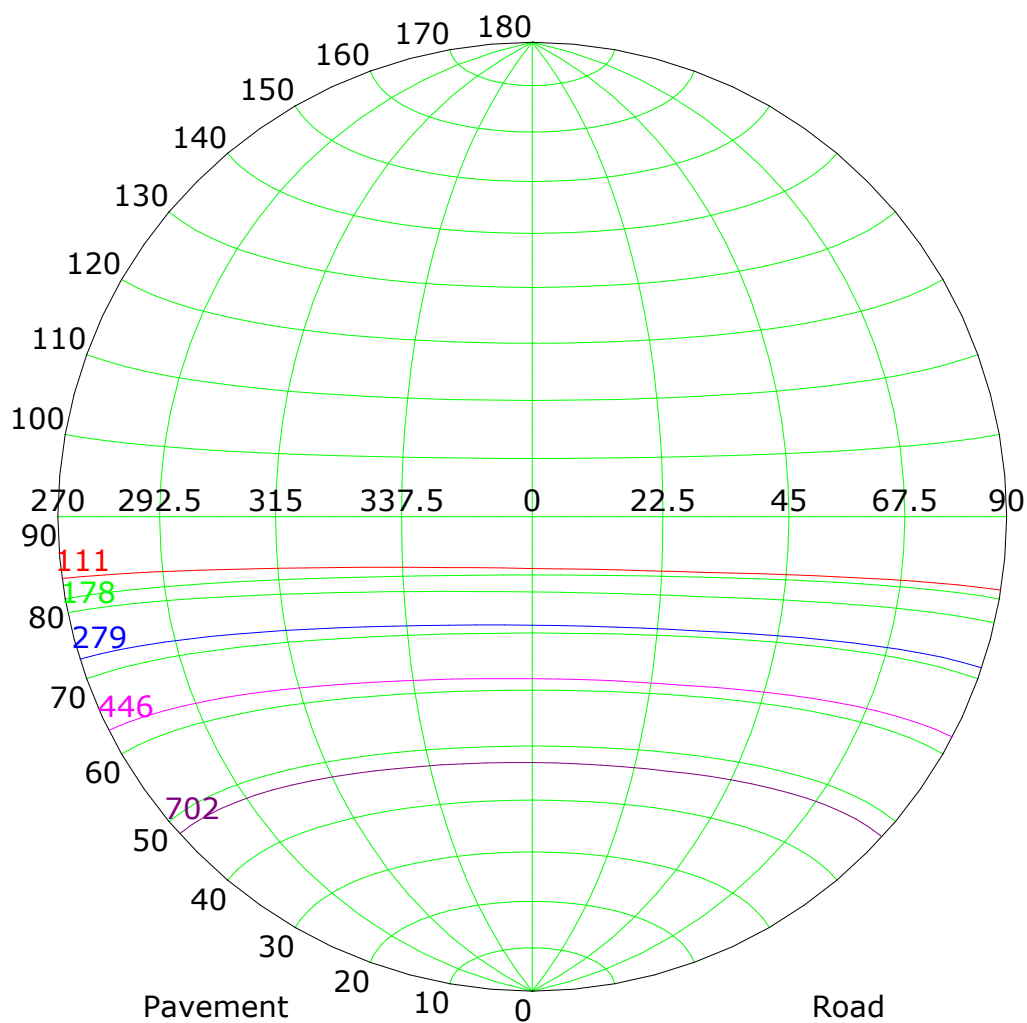
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 1115 cd

(10%): 111 cd	(16%): 178 cd
(25%): 279 cd	(40%): 446 cd
(63%): 702 cd	(100%): 1115 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

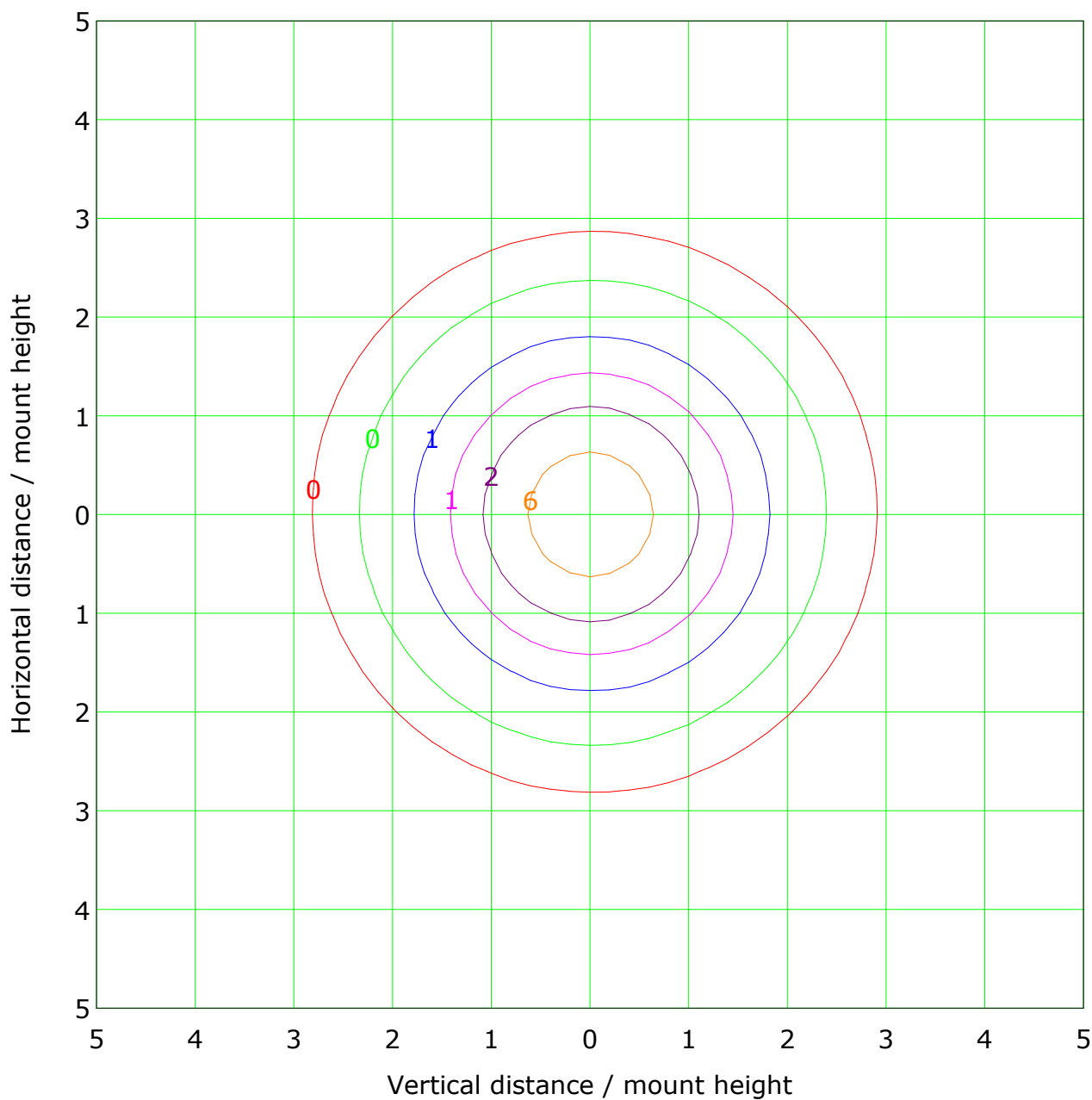
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

IsoLux Plot

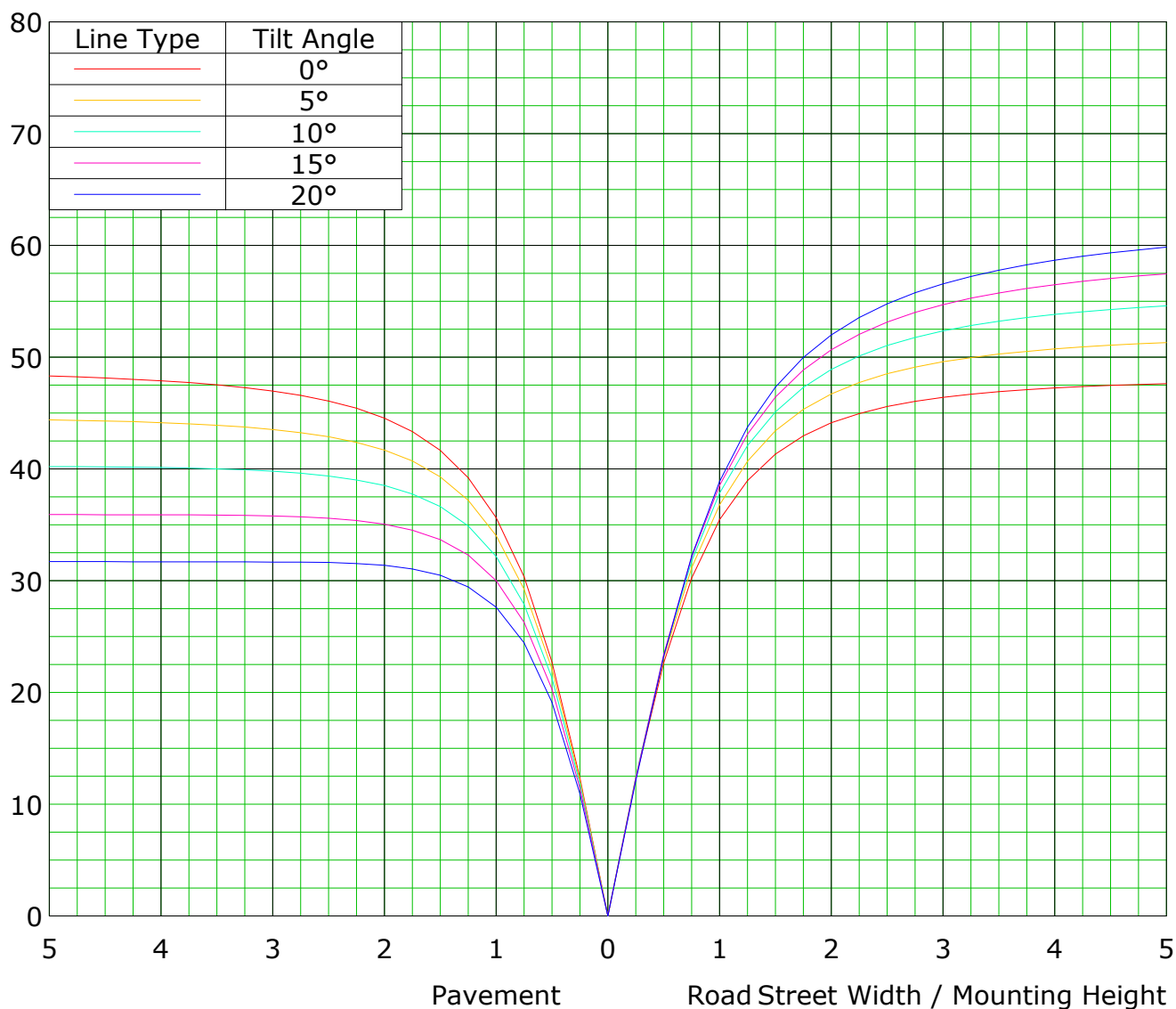


C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

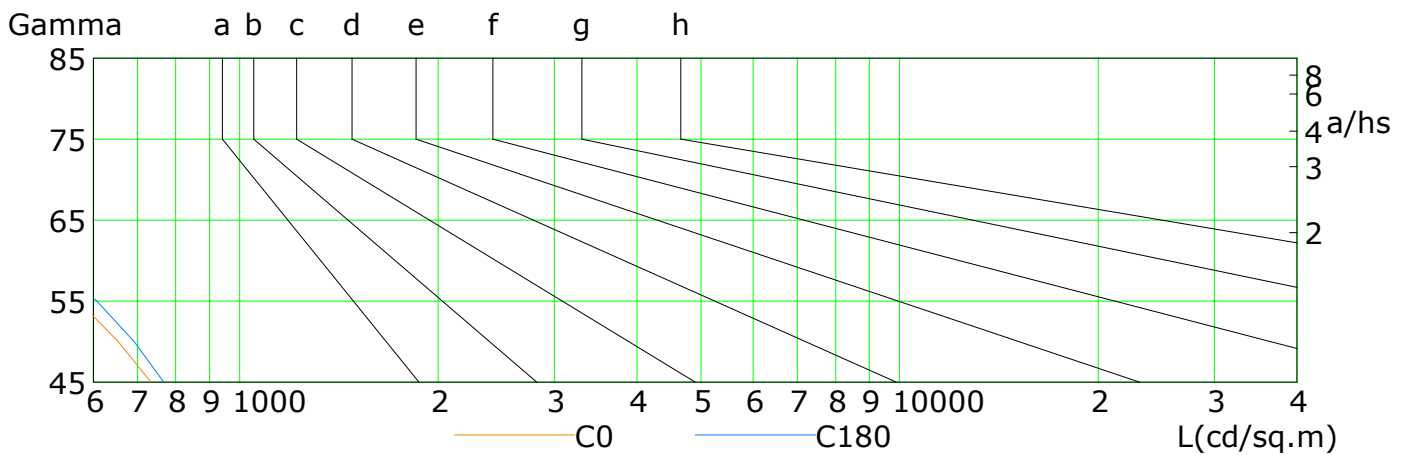
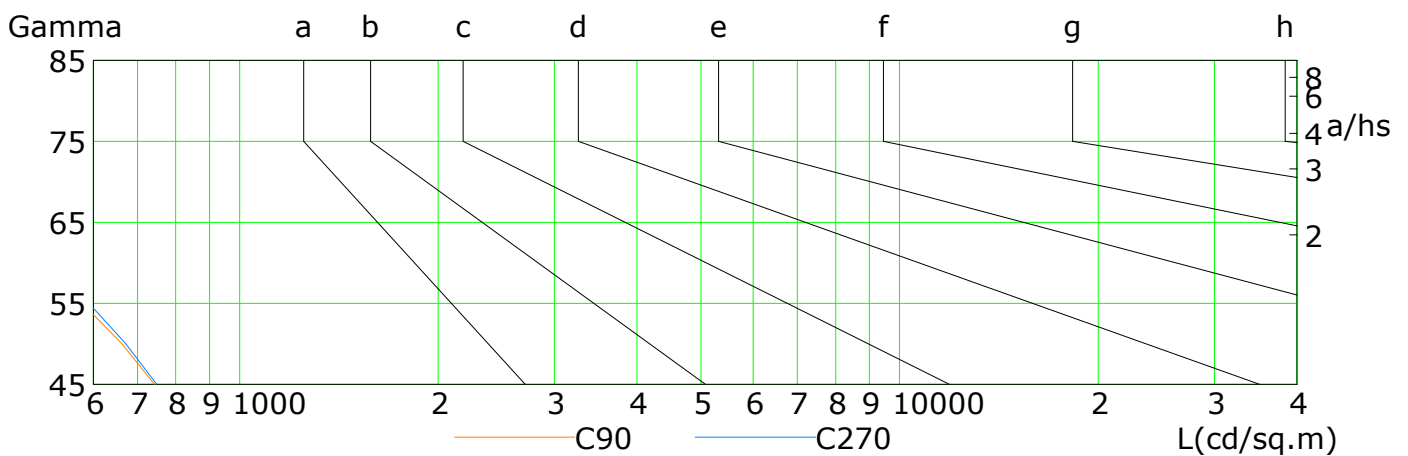
Humidity:

Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	734	654	570	482	393	303	214	129	52
C90	743	663	578	489	396	304	214	128	51
C180	768	692	608	522	432	341	250	164	82
C270	749	672	591	503	414	323	234	150	73

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

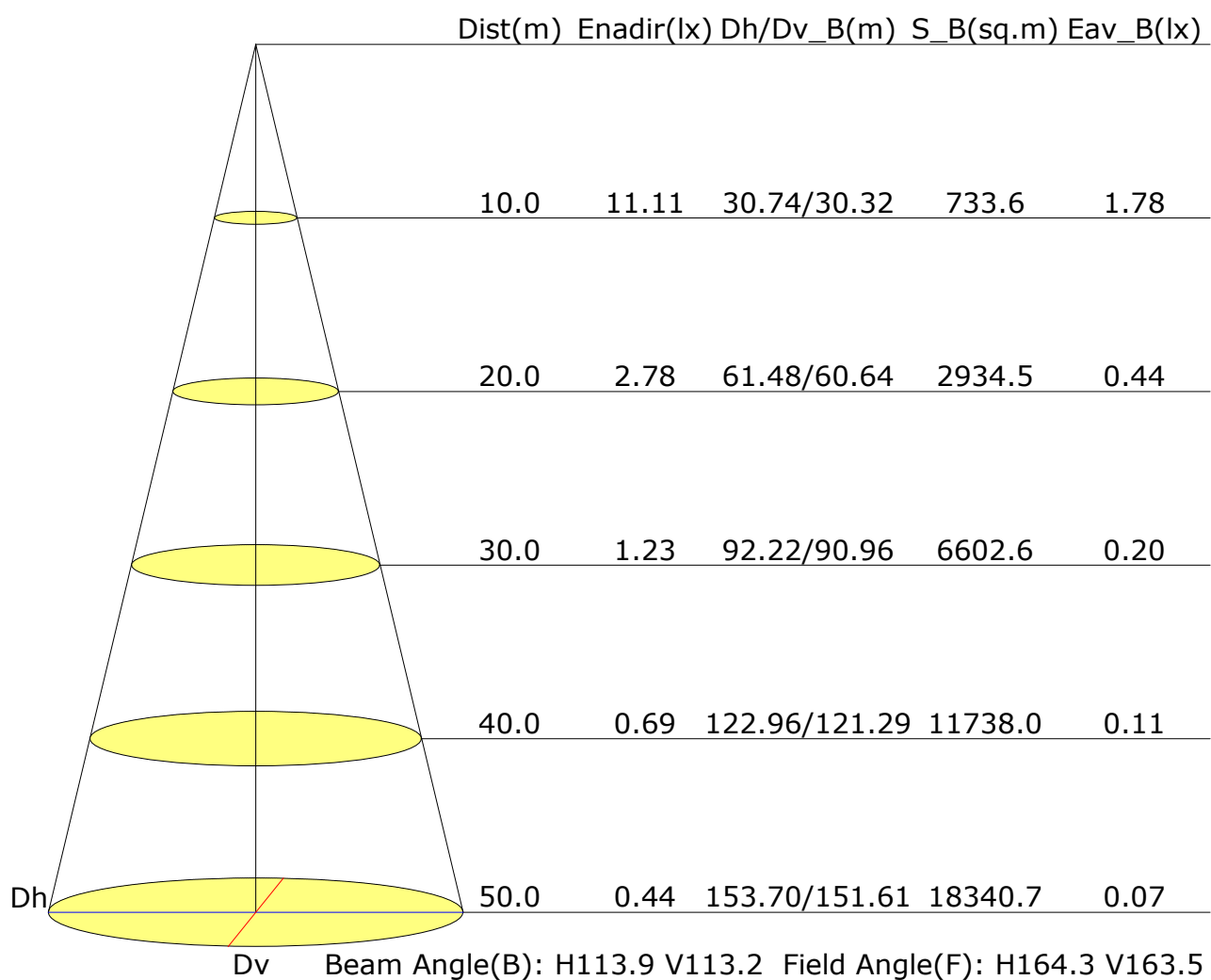
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

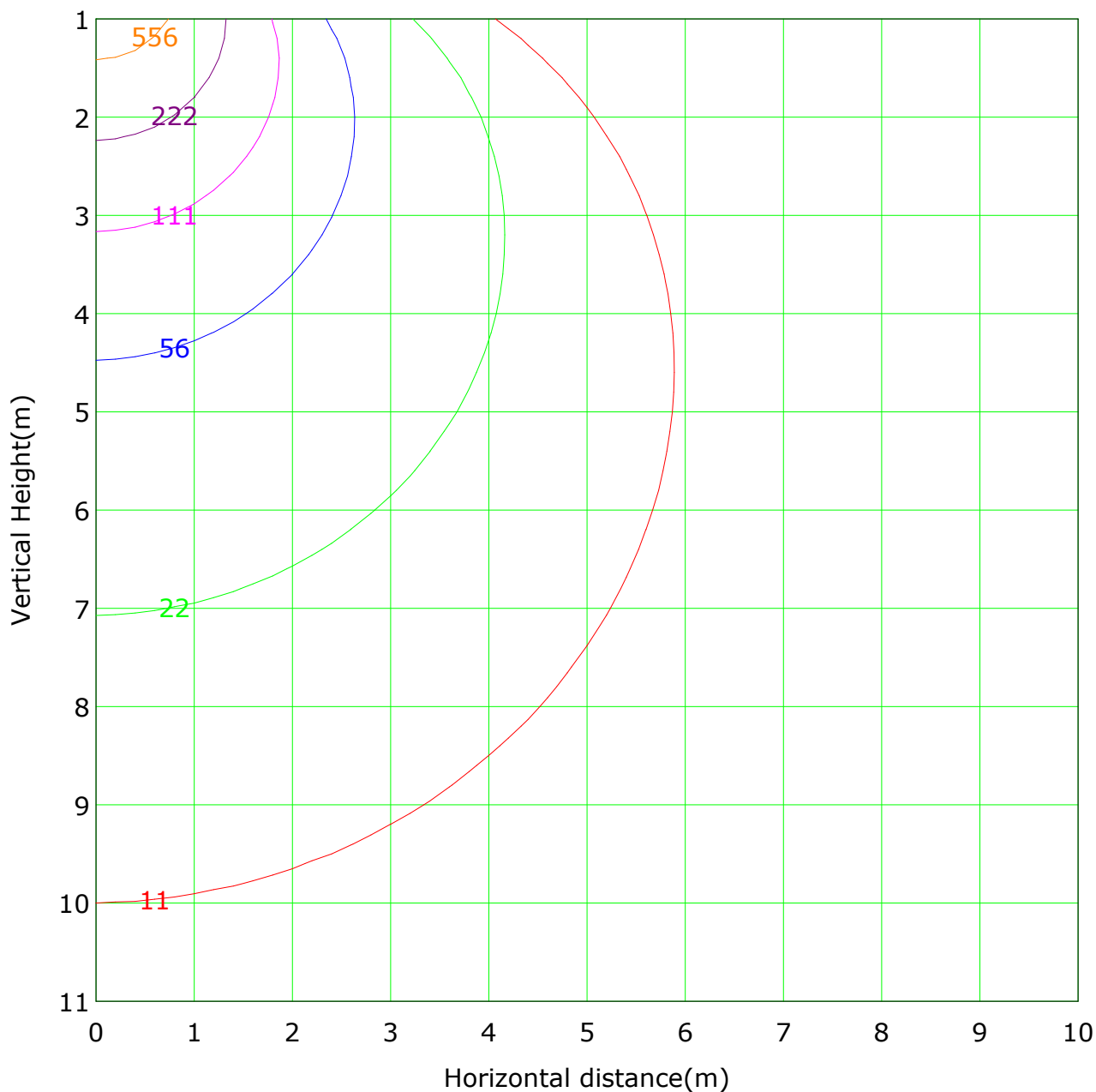
Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.432 m
Humidity:
Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1111.4 lx

(1%): 11.1 lx	(2%): 22.2 lx
(5%): 55.6 lx	(10%): 111.1 lx
(20%): 222.3 lx	(50%): 555.7 lx
(100%):1111.4 lx	

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

Area Flux Table

Unit: 1m

	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)	
Vertical plane	Orbit, min																				$\frac{F_{\text{flux}}(T)}{F_{\text{flux}}(E)}$	
	0.1	0.2	0.6	1.0	1.4	1.7	2.0	2.2	2.3	2.2	2.0	1.7	1.4	1.0	0.6	0.3	0.1	0.0	20.8	5.1		
	-90	0.1	0.2	0.6	1.0	1.4	1.7	2.0	2.2	2.3	2.2	2.0	1.7	1.4	1.0	0.6	0.3	0.1	0.0	20.8		5.1
	-80	0.1	0.5	1.4	2.5	3.7	5.0	6.0	6.8	7.1	7.1	6.5	5.6	4.5	3.2	2.0	1.0	0.3	0.0	63.5		59.5
	-70	0.1	0.9	2.2	4.1	6.3	8.5	10.4	11.8	12.5	12.4	11.5	10.0	8.0	5.7	3.6	1.8	0.6	0.1	110.6		109.3
	-60	0.2	1.2	3.1	5.8	8.9	12.0	14.7	16.8	17.8	17.7	16.5	14.3	11.4	8.2	5.2	2.6	0.9	0.1	157.2		156.5
	-50	0.2	1.4	3.8	7.3	11.2	15.2	18.7	21.3	22.6	22.5	21.0	18.2	14.6	10.5	6.6	3.4	1.2	0.1	199.9		199.4
	-40	0.2	1.7	4.5	8.6	13.3	18.0	22.1	25.1	26.7	26.6	24.8	21.6	17.3	12.5	7.9	4.0	1.4	0.2	236.5		236.2
	-30	0.3	1.8	5.0	9.6	14.8	20.2	24.8	28.2	30.0	29.9	27.9	24.3	19.4	14.1	8.9	4.6	1.6	0.2	265.5		265.2
	-20	0.3	2.0	5.4	10.3	15.9	21.6	26.7	30.3	32.2	32.1	30.0	26.1	20.9	15.2	9.6	4.9	1.7	0.2	285.3		285.1
	-10	0.3	2.0	5.6	10.6	16.4	22.4	27.6	31.4	33.3	33.3	31.0	27.0	21.6	15.7	9.9	5.1	1.8	0.2	295.3		295.1
	0	0.3	2.0	5.6	10.6	16.4	22.4	27.6	31.4	33.4	33.4	30.9	26.9	21.6	15.7	9.9	5.1	1.8	0.2	294.9		294.7
	10	0.3	2.0	5.4	10.2	15.9	21.6	26.6	30.4	32.2	32.0	29.8	25.9	20.8	15.1	9.5	4.9	1.7	0.2	284.4		284.2
	20	0.3	1.8	5.0	9.5	14.7	20.1	24.7	28.2	29.9	29.8	27.7	24.1	19.3	13.9	8.8	4.5	1.5	0.2	264.0		263.7
	30	0.2	1.6	4.4	8.4	13.1	17.8	22.0	25.1	26.6	26.5	24.6	21.4	17.1	12.3	7.8	4.0	1.4	0.2	234.4		234.0
	40	0.2	1.4	3.7	7.1	11.0	15.0	18.5	21.1	22.4	22.3	20.7	17.9	14.3	10.3	6.5	3.3	1.1	0.1	196.8		196.3
	50	0.2	1.1	2.9	5.5	8.6	11.6	14.4	16.4	17.4	17.3	16.1	13.9	11.1	7.9	5.0	2.5	0.9	0.1	152.9		152.2
	60	0.1	0.8	2.1	3.9	6.0	8.0	9.9	11.3	12.0	11.9	11.0	9.5	7.6	5.4	3.4	1.7	0.6	0.1	105.2		103.6
	70	0.1	0.5	1.2	2.2	3.3	4.5	5.4	6.2	6.5	6.4	6.0	5.1	4.1	2.9	1.8	0.9	0.3	0.0	57.3		52.0
	80	0.0	0.2	0.4	0.7	1.0	1.3	1.5	1.7	1.7	1.7	1.5	1.3	1.0	0.7	0.4	0.2	0.1	0.0	15.2		1.5
90	3.4	23.2	62.5	117.7	181.9	246.7	303.7	345.5	366.8	364.8	339.7	294.7	235.7	170.4	107.3	54.8	18.7	2.2	3240			
Flux(E)	1.3	20.5	60.0	115.2	179.4	244.1	301.1	342.8	364.2	362.1	337.1	292.1	233.1	167.7	104.7	52.0	15.8	0.2		3193		

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

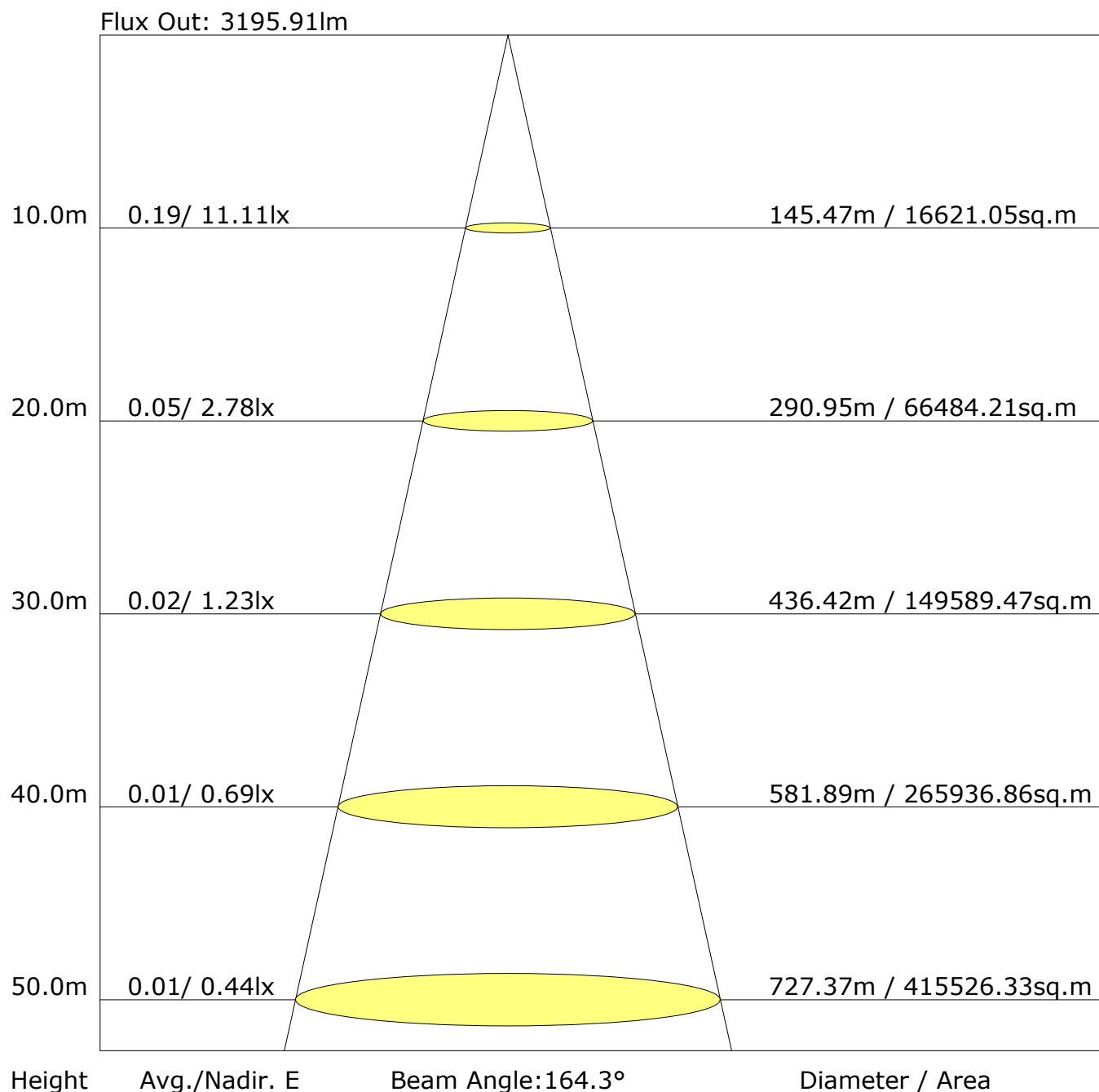
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

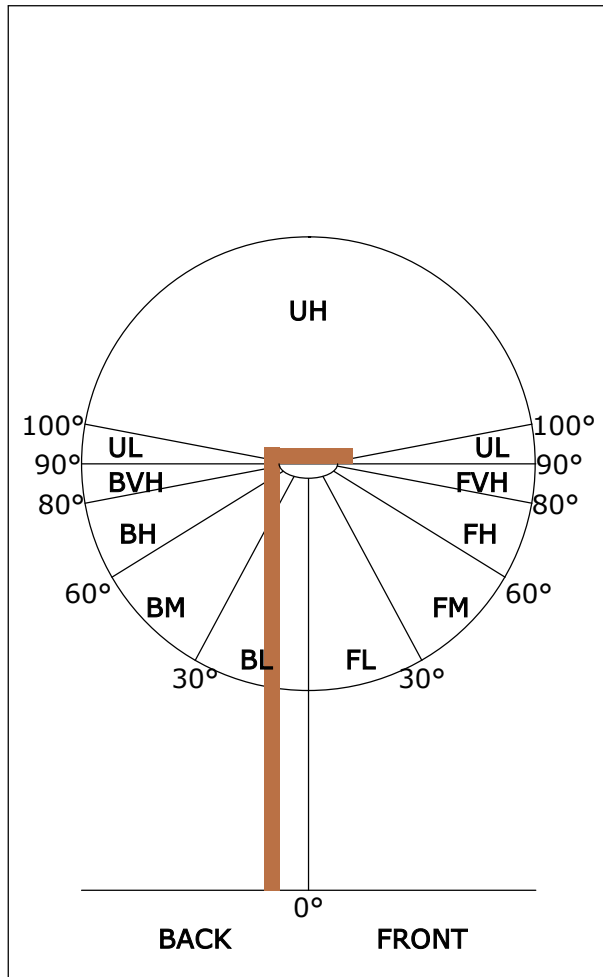
UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H	-1.\$/-1.\$					-1.\$/-1.\$				
S=1.5H	-1.\$/-1.\$					-1.\$/-1.\$				
S=2.0H	-1.\$/-1.\$					-1.\$/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 3317lm ($8\log(F/F_0) = 4.2$).

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.432 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM


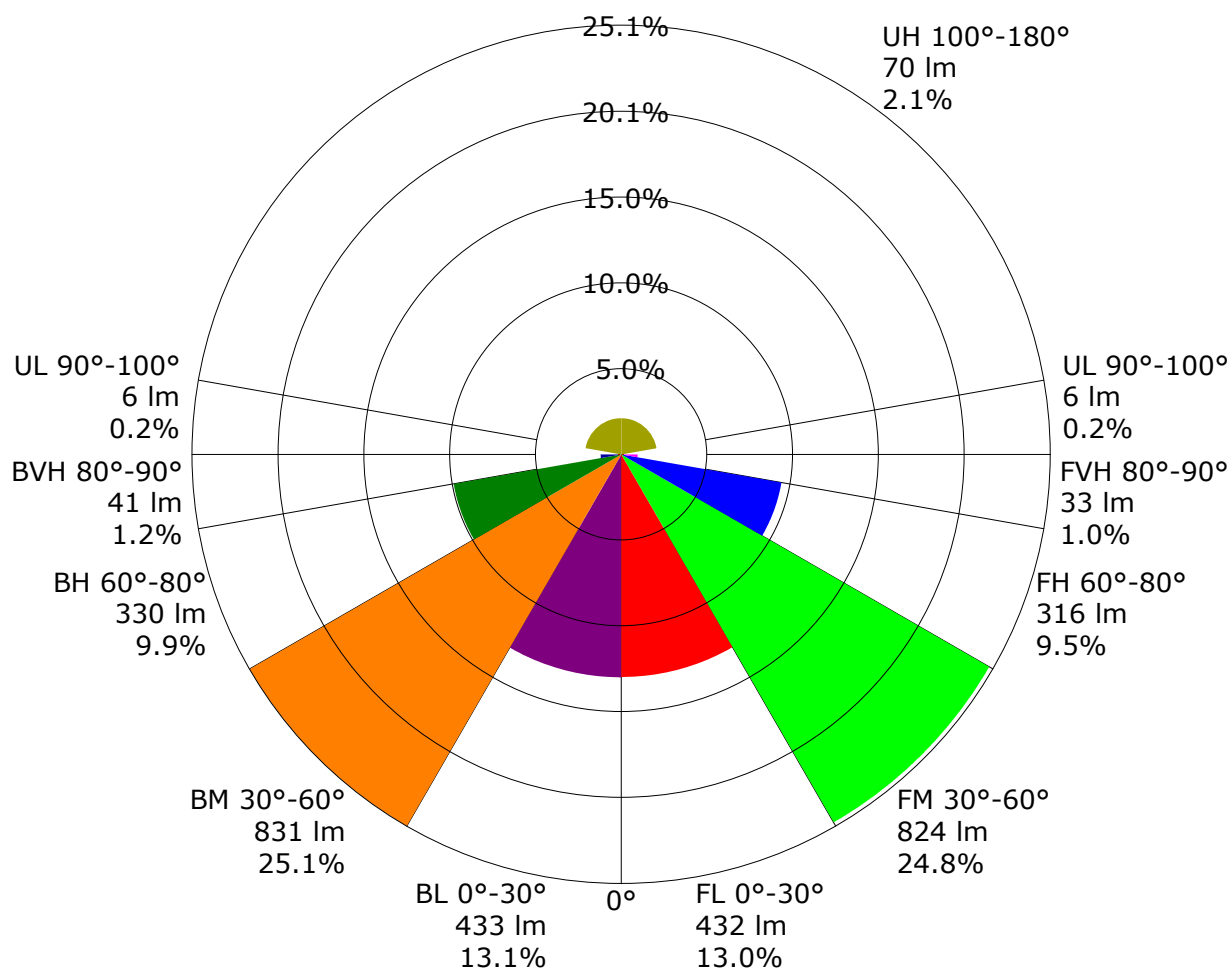
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	1605	48.4
FL (0°-30°)	432	13.0
FM (30°-60°)	824	24.8
FH (60°-80°)	316	9.5
FVH (80°-90°)	33	1.0
BACK LIGHT	1635	49.3
BL (0°-30°)	433	13.1
BM (30°-60°)	831	25.1
BH (60°-80°)	330	9.9
BVH (80°-90°)	41	1.2
UP LIGHT	77	2.3
UL (90°-100°)	6	0.2
UH (100°-180°)	70	2.1
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U2 G1

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

LCS Graph



Back Light

Forward Light

Scale= MAX LCS%

Trapped Light:NA,NA

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.55	0.66	0.73	0.78	0.86	0.91	0.94	0.99	1.02	
	0.30		0.47	0.58	0.65	0.71	0.79	0.85	0.89	0.95	0.99	
	0.20		0.42	0.52	0.60	0.66	0.74	0.80	0.85	0.91	0.95	
0.50	0.50	0.20	0.53	0.63	0.70	0.75	0.82	0.87	0.90	0.95	0.98	
	0.30		0.46	0.56	0.64	0.69	0.77	0.82	0.86	0.91	0.94	
	0.20		0.41	0.51	0.59	0.64	0.72	0.78	0.82	0.88	0.92	
0.30	0.50	0.20	0.52	0.61	0.68	0.72	0.79	0.83	0.87	0.91	0.93	
	0.30		0.45	0.55	0.62	0.67	0.75	0.79	0.83	0.88	0.91	
	0.20		0.41	0.50	0.58	0.63	0.71	0.76	0.80	0.85	0.89	
0.00	0.00	0.00	0.38	0.48	0.55	0.60	0.67	0.72	0.75	0.80	0.83	
Rating:39W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	1.01	0.83	0.71	0.62	0.50	0.41	0.35	0.28	0.23	
	0.30		0.84	0.71	0.62	0.55	0.45	0.38	0.33	0.26	0.21	
	0.20		0.72	0.62	0.55	0.49	0.41	0.35	0.31	0.24	0.20	
0.50	0.50	0.20	0.97	0.80	0.68	0.59	0.47	0.43	0.34	0.26	0.21	
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.25	0.20	
	0.20		0.71	0.61	0.54	0.48	0.40	0.34	0.30	0.24	0.20	
0.30	0.50	0.20	0.94	0.76	0.65	0.57	0.45	0.37	0.32	0.25	0.20	
	0.30		0.80	0.67	0.58	0.51	0.42	0.35	0.30	0.24	0.20	
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19	
0.00	0.00	0.00	0.60	0.50	0.43	0.38	0.31	0.26	0.22	0.18	0.15	
Rating:39W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.19	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.24	
	0.30		0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.21	0.21	
	0.20		0.07	0.08	0.10	0.11	0.13	0.15	0.16	0.18	0.19	
0.50	0.50	0.20	0.18	0.19	0.20	0.21	0.21	0.22	0.22	0.23	0.23	
	0.30		0.12	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21	
	0.20		0.07	0.08	0.10	0.11	0.13	0.14	0.16	0.17	0.18	
0.30	0.50	0.20	0.17	0.19	0.19	0.20	0.21	0.21	0.21	0.22	0.22	
	0.30		0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	
	0.20		0.07	0.08	0.10	0.11	0.13	0.14	0.15	0.17	0.18	
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
Rating:39W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1111.5	1.1	1.1	0.03	0.03
1.0-2.0	1110.9	3.2	4.3	0.10	0.13
2.0-3.0	1109.9	5.3	9.6	0.16	0.29
3.0-4.0	1108.8	7.4	17.0	0.22	0.51
4.0-5.0	1107.3	9.5	26.5	0.29	0.80
5.0-6.0	1105.3	11.6	38.1	0.35	1.15
6.0-7.0	1102.9	13.7	51.8	0.41	1.56
7.0-8.0	1100.3	15.7	67.6	0.47	2.04
8.0-9.0	1097.6	17.8	85.4	0.54	2.57
9.0-10.0	1094.3	19.8	105.2	0.60	3.17
10.0-11.0	1090.4	21.8	127.0	0.66	3.83
11.0-12.0	1086.1	23.7	150.7	0.72	4.54
12.0-13.0	1081.6	25.7	176.4	0.77	5.32
13.0-14.0	1076.5	27.6	203.9	0.83	6.15
14.0-15.0	1071.3	29.4	233.4	0.89	7.04
15.0-16.0	1065.8	31.2	264.6	0.94	7.98
16.0-17.0	1059.6	33.0	297.6	1.00	8.97
17.0-18.0	1053.4	34.7	332.3	1.05	10.02
18.0-19.0	1046.7	36.4	368.7	1.10	11.12
19.0-20.0	1039.7	38.1	406.8	1.15	12.27
20.0-21.0	1032.4	39.6	446.5	1.20	13.46
21.0-22.0	1024.6	41.2	487.6	1.24	14.70
22.0-23.0	1016.3	42.7	530.3	1.29	15.99
23.0-24.0	1007.7	44.1	574.3	1.33	17.32
24.0-25.0	998.7	45.4	619.8	1.37	18.69
25.0-26.0	989.8	46.7	666.5	1.41	20.10
26.0-27.0	980.1	48.0	714.4	1.45	21.54
27.0-28.0	970.1	49.1	763.6	1.48	23.02
28.0-29.0	960.1	50.2	813.8	1.51	24.54
29.0-30.0	949.6	51.3	865.1	1.55	26.08
30.0-31.0	938.8	52.3	917.3	1.58	27.66
31.0-32.0	927.6	53.1	970.5	1.60	29.26
32.0-33.0	916.0	54.0	1024.5	1.63	30.89
33.0-34.0	904.4	54.7	1079.2	1.65	32.54
34.0-35.0	892.0	55.4	1134.6	1.67	34.21
35.0-36.0	879.5	56.0	1190.6	1.69	35.90

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	867.6	56.6	1247.2	1.71	37.61
37.0-38.0	854.6	57.1	1304.3	1.72	39.33
38.0-39.0	841.1	57.4	1361.7	1.73	41.06
39.0-40.0	827.2	57.7	1419.4	1.74	42.80
40.0-41.0	813.3	57.9	1477.3	1.75	44.54
41.0-42.0	799.5	58.1	1535.4	1.75	46.29
42.0-43.0	784.9	58.2	1593.6	1.75	48.05
43.0-44.0	770.3	58.1	1651.7	1.75	49.80
44.0-45.0	755.8	58.1	1709.8	1.75	51.55
45.0-46.0	740.5	57.9	1767.7	1.75	53.30
46.0-47.0	725.0	57.7	1825.4	1.74	55.04
47.0-48.0	709.3	57.3	1882.7	1.73	56.77
48.0-49.0	693.6	57.0	1939.7	1.72	58.49
49.0-50.0	678.2	56.6	1996.3	1.71	60.19
50.0-51.0	661.8	56.0	2052.2	1.69	61.88
51.0-52.0	645.2	55.4	2107.6	1.67	63.55
52.0-53.0	628.4	54.7	2162.3	1.65	65.20
53.0-54.0	611.4	53.9	2216.2	1.63	66.82
54.0-55.0	595.0	53.1	2269.3	1.60	68.42
55.0-56.0	577.8	52.2	2321.5	1.57	70.00
56.0-57.0	560.4	51.2	2372.8	1.55	71.54
57.0-58.0	543.4	50.3	2423.0	1.52	73.06
58.0-59.0	525.6	49.1	2472.2	1.48	74.54
59.0-60.0	507.7	48.0	2520.1	1.45	75.99
60.0-61.0	489.7	46.7	2566.9	1.41	77.40
61.0-62.0	471.7	45.5	2612.3	1.37	78.77
62.0-63.0	454.3	44.2	2656.5	1.33	80.10
63.0-64.0	436.1	42.8	2699.3	1.29	81.39
64.0-65.0	417.7	41.3	2740.7	1.25	82.64
65.0-66.0	400.1	39.9	2780.6	1.20	83.84
66.0-67.0	381.9	38.4	2819.0	1.16	85.00
67.0-68.0	363.5	36.8	2855.8	1.11	86.11
68.0-69.0	345.0	35.2	2891.0	1.06	87.17
69.0-70.0	326.6	33.5	2924.6	1.01	88.18
70.0-71.0	309.2	32.0	2956.5	0.96	89.14
71.0-72.0	290.9	30.3	2986.8	0.91	90.06

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	272.7	28.5	3015.3	0.86	90.92
73.0-74.0	255.4	26.9	3042.2	0.81	91.73
74.0-75.0	237.5	25.1	3067.3	0.76	92.48
75.0-76.0	219.7	23.3	3090.6	0.70	93.19
76.0-77.0	202.1	21.5	3112.1	0.65	93.84
77.0-78.0	184.8	19.8	3131.9	0.60	94.43
78.0-79.0	168.4	18.1	3150.0	0.55	94.98
79.0-80.0	151.5	16.3	3166.4	0.49	95.47
80.0-81.0	134.8	14.6	3180.9	0.44	95.91
81.0-82.0	119.2	12.9	3193.9	0.39	96.30
82.0-83.0	103.1	11.2	3205.1	0.34	96.64
83.0-84.0	87.5	9.5	3214.6	0.29	96.93
84.0-85.0	72.3	7.9	3222.5	0.24	97.16
85.0-86.0	57.5	6.3	3228.8	0.19	97.35
86.0-87.0	43.8	4.8	3233.6	0.14	97.50
87.0-88.0	30.3	3.3	3236.9	0.10	97.60
88.0-89.0	18.3	2.0	3238.9	0.06	97.66
89.0-90.0	10.0	1.1	3240.0	0.03	97.69
90.0-91.0	5.7	0.6	3240.6	0.02	97.71
91.0-92.0	4.6	0.5	3241.1	0.02	97.73
92.0-93.0	4.9	0.5	3241.7	0.02	97.74
93.0-94.0	5.2	0.6	3242.2	0.02	97.76
94.0-95.0	5.4	0.6	3242.8	0.02	97.78
95.0-96.0	5.7	0.6	3243.5	0.02	97.80
96.0-97.0	6.0	0.7	3244.1	0.02	97.82
97.0-98.0	6.3	0.7	3244.8	0.02	97.84
98.0-99.0	6.6	0.7	3245.5	0.02	97.86
99.0-100.0	6.8	0.7	3246.2	0.02	97.88
100.0-101.0	7.1	0.8	3247.0	0.02	97.90
101.0-102.0	7.4	0.8	3247.8	0.02	97.93
102.0-103.0	7.7	0.8	3248.6	0.02	97.95
103.0-104.0	8.0	0.9	3249.5	0.03	97.98
104.0-105.0	8.3	0.9	3250.4	0.03	98.00
105.0-106.0	8.6	0.9	3251.3	0.03	98.03
106.0-107.0	8.8	0.9	3252.2	0.03	98.06
107.0-108.0	9.1	1.0	3253.1	0.03	98.09

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	9.4	1.0	3254.1	0.03	98.12
109.0-110.0	9.6	1.0	3255.1	0.03	98.15
110.0-111.0	9.9	1.0	3256.1	0.03	98.18
111.0-112.0	10.1	1.0	3257.2	0.03	98.21
112.0-113.0	10.4	1.1	3258.2	0.03	98.24
113.0-114.0	10.6	1.1	3259.3	0.03	98.27
114.0-115.0	10.9	1.1	3260.4	0.03	98.31
115.0-116.0	11.1	1.1	3261.5	0.03	98.34
116.0-117.0	11.4	1.1	3262.6	0.03	98.37
117.0-118.0	11.6	1.1	3263.7	0.03	98.41
118.0-119.0	11.8	1.1	3264.9	0.03	98.44
119.0-120.0	12.1	1.2	3266.0	0.03	98.48
120.0-121.0	12.3	1.2	3267.2	0.04	98.51
121.0-122.0	12.5	1.2	3268.3	0.04	98.55
122.0-123.0	12.8	1.2	3269.5	0.04	98.58
123.0-124.0	13.0	1.2	3270.7	0.04	98.62
124.0-125.0	13.2	1.2	3271.9	0.04	98.65
125.0-126.0	13.4	1.2	3273.1	0.04	98.69
126.0-127.0	13.6	1.2	3274.3	0.04	98.73
127.0-128.0	13.8	1.2	3275.5	0.04	98.76
128.0-129.0	14.0	1.2	3276.7	0.04	98.80
129.0-130.0	14.2	1.2	3277.9	0.04	98.83
130.0-131.0	14.5	1.2	3279.1	0.04	98.87
131.0-132.0	14.7	1.2	3280.3	0.04	98.91
132.0-133.0	14.9	1.2	3281.5	0.04	98.94
133.0-134.0	15.1	1.2	3282.7	0.04	98.98
134.0-135.0	15.2	1.2	3283.9	0.04	99.02
135.0-136.0	15.4	1.2	3285.1	0.04	99.05
136.0-137.0	15.6	1.2	3286.3	0.04	99.09
137.0-138.0	15.8	1.2	3287.4	0.04	99.12
138.0-139.0	16.0	1.2	3288.6	0.04	99.16
139.0-140.0	16.2	1.2	3289.8	0.03	99.19
140.0-141.0	16.4	1.1	3290.9	0.03	99.23
141.0-142.0	16.5	1.1	3292.0	0.03	99.26
142.0-143.0	16.7	1.1	3293.1	0.03	99.29
143.0-144.0	16.8	1.1	3294.2	0.03	99.33

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	17.0	1.1	3295.3	0.03	99.36
145.0-146.0	17.1	1.1	3296.4	0.03	99.39
146.0-147.0	17.2	1.0	3297.4	0.03	99.42
147.0-148.0	17.4	1.0	3298.4	0.03	99.45
148.0-149.0	17.5	1.0	3299.4	0.03	99.48
149.0-150.0	17.7	1.0	3300.4	0.03	99.51
150.0-151.0	17.8	1.0	3301.4	0.03	99.54
151.0-152.0	17.9	0.9	3302.3	0.03	99.57
152.0-153.0	18.0	0.9	3303.2	0.03	99.60
153.0-154.0	18.2	0.9	3304.1	0.03	99.63
154.0-155.0	18.3	0.9	3305.0	0.03	99.65
155.0-156.0	18.5	0.8	3305.8	0.03	99.68
156.0-157.0	18.6	0.8	3306.7	0.02	99.70
157.0-158.0	18.8	0.8	3307.4	0.02	99.72
158.0-159.0	19.0	0.8	3308.2	0.02	99.75
159.0-160.0	19.2	0.7	3308.9	0.02	99.77
160.0-161.0	19.3	0.7	3309.6	0.02	99.79
161.0-162.0	19.5	0.7	3310.3	0.02	99.81
162.0-163.0	19.6	0.6	3311.0	0.02	99.83
163.0-164.0	19.8	0.6	3311.6	0.02	99.85
164.0-165.0	19.9	0.6	3312.2	0.02	99.87
165.0-166.0	20.1	0.6	3312.7	0.02	99.88
166.0-167.0	20.2	0.5	3313.2	0.02	99.90
167.0-168.0	20.3	0.5	3313.7	0.01	99.91
168.0-169.0	20.4	0.4	3314.2	0.01	99.93
169.0-170.0	20.5	0.4	3314.6	0.01	99.94
170.0-171.0	20.6	0.4	3315.0	0.01	99.95
171.0-172.0	20.7	0.3	3315.3	0.01	99.96
172.0-173.0	20.7	0.3	3315.6	0.01	99.97
173.0-174.0	20.8	0.3	3315.8	0.01	99.98
174.0-175.0	20.9	0.2	3316.1	0.01	99.98
175.0-176.0	20.9	0.2	3316.2	0.01	99.99
176.0-177.0	20.9	0.1	3316.4	0.00	99.99
177.0-178.0	21.0	0.1	3316.5	0.00	100.00
178.0-179.0	21.0	0.1	3316.5	0.00	100.00
179.0-180.0	21.0	0.0	3316.6	0.00	100.00

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G0.0	1111.4	1110.0	1110.3	1110.9	1113.2	1113.6	1111.4	1110.0	1110.3	1110.9
G1.0	1109.6	1110.0	1110.8	1111.0	1112.7	1114.7	1111.0	1111.3	1110.3	1112.0
G2.0	1110.1	1107.7	1109.6	1108.4	1112.1	1113.7	1111.1	1110.0	1108.4	1109.6
G3.0	1107.9	1106.7	1106.4	1108.5	1110.0	1112.6	1111.0	1111.0	1108.2	1110.1
G4.0	1105.8	1104.7	1103.9	1107.4	1110.5	1112.7	1110.0	1110.1	1106.8	1107.9
G5.0	1104.3	1102.6	1104.0	1105.7	1109.3	1109.9	1108.4	1108.1	1105.2	1106.8
G6.0	1100.7	1099.4	1099.3	1103.2	1107.1	1108.5	1107.6	1105.5	1103.2	1104.7
G7.0	1097.2	1097.2	1097.8	1101.0	1104.0	1105.9	1104.4	1103.3	1101.6	1101.3
G8.0	1095.7	1093.4	1094.5	1097.9	1103.9	1105.0	1101.3	1101.2	1099.7	1099.4
G9.0	1092.2	1090.1	1092.4	1095.9	1099.0	1101.4	1100.7	1098.6	1097.2	1095.6
G10.0	1086.9	1086.2	1089.3	1091.6	1096.9	1098.2	1097.0	1096.2	1093.2	1092.7
G11.0	1082.9	1080.6	1084.1	1088.5	1091.4	1094.5	1093.3	1092.6	1090.3	1088.6
G12.0	1078.2	1076.1	1077.8	1083.3	1087.6	1090.8	1089.7	1087.7	1085.9	1084.3
G13.0	1071.6	1072.0	1073.3	1079.2	1083.7	1087.7	1086.5	1083.8	1081.3	1079.6
G14.0	1067.9	1065.2	1067.8	1072.7	1078.9	1081.7	1081.0	1078.7	1075.5	1073.3
G15.0	1062.0	1060.2	1061.6	1068.2	1074.1	1076.7	1076.7	1074.6	1069.8	1070.8
G16.0	1055.7	1052.6	1056.9	1061.5	1067.1	1072.2	1070.8	1069.6	1063.6	1062.1
G17.0	1048.2	1047.0	1049.7	1054.9	1061.4	1067.0	1065.5	1063.8	1058.4	1056.4
G18.0	1040.9	1039.9	1043.6	1049.3	1054.8	1059.4	1059.5	1056.9	1053.8	1049.6
G19.0	1034.3	1031.5	1035.2	1041.8	1048.3	1053.1	1053.7	1053.1	1046.6	1043.1
G20.0	1027.3	1025.1	1029.8	1034.7	1040.5	1044.6	1047.0	1044.2	1038.7	1035.6
G21.0	1019.0	1016.5	1021.2	1026.8	1034.9	1038.8	1040.4	1039.1	1032.1	1029.2
G22.0	1010.6	1007.7	1011.0	1019.0	1025.7	1031.2	1032.7	1030.0	1023.8	1020.1
G23.0	1001.1	1001.1	1002.1	1010.5	1017.5	1023.7	1023.5	1024.3	1016.0	1013.2
G24.0	991.6	991.0	993.5	1002.5	1009.3	1013.9	1015.1	1013.9	1006.1	1004.2
G25.0	982.4	981.2	985.9	992.6	999.5	1006.6	1006.0	1007.0	998.9	994.7
G26.0	973.5	970.9	975.6	982.5	990.3	997.1	998.8	998.4	989.8	985.6
G27.0	963.3	961.5	964.8	972.7	978.7	987.3	988.4	988.9	981.1	975.7
G28.0	954.5	951.0	954.5	963.0	970.5	977.2	978.3	979.6	970.0	965.8
G29.0	943.9	939.5	943.5	952.1	960.8	967.7	969.0	970.2	960.1	955.3
G30.0	932.4	928.6	933.1	942.4	949.7	956.9	959.0	959.4	949.8	944.2
G31.0	921.9	918.3	922.0	930.8	938.7	947.1	948.3	948.3	938.7	933.0
G32.0	908.3	906.3	910.3	918.5	926.2	936.2	937.1	936.7	927.3	922.2
G33.0	896.7	895.2	897.7	908.0	915.5	924.1	926.2	925.1	916.9	910.0
G34.0	884.8	882.9	886.5	895.9	902.5	913.0	914.3	916.2	904.9	898.4
G35.0	871.4	869.4	873.2	882.5	891.0	900.0	901.8	901.4	892.2	884.4
G36.0	860.8	858.0	860.9	869.9	877.8	888.2	889.9	890.8	881.4	874.5

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G37.0	847.2	844.3	848.8	857.3	865.9	876.9	879.6	878.9	868.0	861.9
G38.0	833.9	830.7	834.4	843.5	852.9	862.1	865.2	866.4	854.6	848.9
G39.0	819.8	818.4	821.1	830.7	839.8	849.9	851.7	852.3	842.1	834.9
G40.0	805.8	802.1	806.7	815.0	824.0	835.5	837.4	839.0	827.8	821.1
G41.0	791.6	788.6	794.0	801.5	810.3	823.0	824.0	826.8	815.5	807.6
G42.0	777.3	773.8	778.8	786.6	797.2	806.8	810.9	812.5	802.1	794.5
G43.0	762.0	758.4	763.3	771.4	781.2	793.4	796.7	797.8	787.0	779.9
G44.0	748.5	744.3	748.9	757.4	766.4	778.5	782.5	784.0	772.6	764.2
G45.0	733.7	730.5	735.3	743.2	751.8	765.0	767.8	769.2	757.4	748.9
G46.0	716.9	714.3	718.4	726.5	735.6	748.3	752.8	753.4	741.9	734.7
G47.0	701.8	698.8	701.6	711.0	721.5	733.7	737.2	739.0	727.3	718.9
G48.0	685.1	681.9	686.1	694.2	703.6	718.1	721.7	723.3	711.3	702.6
G49.0	669.8	666.0	672.0	679.6	688.1	702.1	706.0	708.3	697.1	688.6
G50.0	654.2	649.8	655.4	663.0	672.2	686.9	692.0	692.1	682.1	672.1
G51.0	636.3	633.7	638.2	645.6	655.0	668.8	674.6	676.0	664.2	655.3
G52.0	620.4	616.7	621.5	629.2	640.0	653.5	658.0	660.2	648.6	640.1
G53.0	603.9	598.7	604.2	611.8	620.9	635.3	640.0	642.8	631.3	621.4
G54.0	586.3	583.0	587.9	595.2	604.8	619.8	624.3	626.4	615.1	606.2
G55.0	570.2	566.1	571.0	578.1	587.4	602.9	608.1	610.8	598.3	590.7
G56.0	551.8	548.0	552.9	560.2	569.2	584.4	590.5	592.6	581.0	573.2
G57.0	535.4	530.7	535.1	542.4	552.5	567.3	575.5	576.2	565.4	555.0
G58.0	518.2	513.9	518.6	525.3	534.5	550.1	557.8	559.2	548.0	538.6
G59.0	499.8	495.0	499.5	505.5	515.9	531.2	539.7	541.0	530.1	520.6
G60.0	482.3	477.8	482.0	488.6	497.9	515.1	522.1	524.7	512.3	503.1
G61.0	464.4	458.4	463.1	469.2	479.4	495.5	503.5	505.5	494.7	484.6
G62.0	447.6	441.2	444.7	451.6	461.3	478.5	486.8	488.3	477.6	467.6
G63.0	430.0	423.4	427.6	433.8	443.6	460.3	468.7	471.2	460.0	450.3
G64.0	411.3	404.7	408.1	414.0	424.4	441.4	449.7	452.6	441.2	431.9
G65.0	392.7	387.2	391.4	396.5	406.2	423.3	432.4	434.5	423.6	414.0
G66.0	376.3	369.5	372.8	378.1	388.3	405.8	413.9	417.6	406.3	396.5
G67.0	356.4	350.3	354.7	358.7	369.1	386.1	396.0	398.9	387.6	378.0
G68.0	339.5	332.9	335.9	340.8	350.9	368.5	379.0	381.2	369.7	359.8
G69.0	320.0	314.6	316.2	321.7	331.5	348.7	359.3	360.9	350.5	340.0
G70.0	303.3	296.7	298.9	304.0	313.3	331.2	340.8	344.1	333.1	323.4
G71.0	285.4	278.8	281.6	286.7	295.7	313.1	324.0	327.3	316.8	305.6
G72.0	267.1	260.4	262.2	266.7	277.2	294.3	303.8	307.5	297.2	287.3
G73.0	249.4	242.7	245.6	249.8	259.1	276.3	287.0	290.1	280.4	269.7

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G74.0	232.9	226.1	228.1	231.9	241.6	258.9	269.1	272.8	262.6	252.5
G75.0	214.0	207.4	210.0	213.8	222.9	239.7	250.5	254.2	244.1	234.3
G76.0	197.9	191.0	192.8	196.4	205.7	222.5	233.0	236.9	226.9	217.3
G77.0	179.2	172.6	174.0	178.6	187.7	203.6	215.0	219.0	209.1	199.4
G78.0	163.3	156.7	158.2	161.8	170.5	187.1	198.3	202.6	192.9	182.7
G79.0	146.8	140.3	141.6	145.3	154.6	170.0	181.3	185.4	176.2	166.9
G80.0	128.9	123.2	124.8	128.2	136.5	152.4	163.5	167.9	159.0	149.9
G81.0	113.7	107.2	108.8	112.2	121.1	136.0	146.9	151.4	142.8	133.9
G82.0	98.0	92.3	94.1	97.3	105.1	120.0	131.0	135.8	127.4	118.9
G83.0	81.8	75.7	77.4	80.8	88.9	102.6	114.1	118.0	110.3	102.1
G84.0	67.5	61.5	63.4	66.8	73.9	87.6	98.1	103.0	95.8	88.1
G85.0	51.6	45.8	47.7	51.3	58.7	71.0	81.8	86.8	80.2	72.8
G86.0	38.1	32.6	34.7	38.2	44.6	56.8	66.6	71.7	65.5	58.7
G87.0	24.6	19.4	22.2	25.7	31.6	42.4	52.6	57.7	52.1	45.7
G88.0	11.5	7.1	9.3	12.6	18.3	28.1	37.0	42.2	37.3	31.6
G89.0	3.9	4.0	4.0	4.0	7.1	15.8	24.1	29.1	25.0	20.1
G90.0	4.2	4.3	4.2	4.0	3.9	4.8	10.9	15.1	11.9	8.3
G91.0	4.4	4.5	4.4	4.2	4.1	3.9	4.4	5.2	4.6	4.8
G92.0	4.7	4.8	4.6	4.5	4.3	4.2	4.8	4.8	4.9	5.1
G93.0	4.9	5.0	4.9	4.8	4.6	4.4	5.1	5.2	5.2	5.4
G94.0	5.2	5.3	5.1	5.0	4.8	4.7	5.3	5.5	5.4	5.6
G95.0	5.5	5.5	5.4	5.2	5.1	4.9	5.6	5.7	5.7	5.9
G96.0	5.7	5.7	5.7	5.6	5.3	5.2	6.0	6.0	6.1	6.3
G97.0	6.0	6.0	5.9	5.8	5.5	5.5	6.3	6.3	6.4	6.6
G98.0	6.3	6.3	6.2	6.1	5.8	5.7	6.6	6.6	6.7	6.8
G99.0	6.5	6.5	6.4	6.3	6.1	5.9	6.8	6.9	6.9	7.2
G100.0	6.8	6.8	6.6	6.5	6.3	6.2	7.1	7.2	7.3	7.4
G101.0	7.1	7.1	6.9	6.8	6.6	6.5	7.4	7.5	7.6	7.8
G102.0	7.4	7.3	7.2	7.1	6.9	6.8	7.8	7.8	7.9	8.0
G103.0	7.7	7.6	7.4	7.4	7.2	7.0	8.0	8.0	8.2	8.4
G104.0	8.0	7.8	7.8	7.7	7.4	7.3	8.4	8.4	8.5	8.7
G105.0	8.3	8.1	8.0	8.0	7.7	7.5	8.7	8.7	8.8	9.0
G106.0	8.6	8.4	8.3	8.3	8.0	7.8	9.0	9.0	9.1	9.3
G107.0	8.9	8.6	8.5	8.5	8.2	8.0	9.3	9.3	9.4	9.5
G108.0	9.1	8.8	8.8	8.8	8.4	8.3	9.6	9.6	9.7	9.8
G109.0	9.4	9.1	9.0	9.0	8.8	8.5	9.9	9.8	9.9	10.1
G110.0	9.6	9.3	9.2	9.2	9.0	8.8	10.1	10.1	10.2	10.4

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G111.0	9.9	9.5	9.5	9.4	9.2	9.0	10.4	10.3	10.4	10.7
G112.0	10.1	9.8	9.8	9.7	9.5	9.3	10.6	10.6	10.8	10.9
G113.0	10.4	10.0	10.0	9.9	9.6	9.5	10.9	10.8	11.0	11.1
G114.0	10.6	10.3	10.3	10.3	9.9	9.8	11.2	11.1	11.2	11.4
G115.0	10.9	10.5	10.5	10.5	10.1	10.0	11.5	11.3	11.4	11.7
G116.0	11.1	10.7	10.7	10.7	10.4	10.2	11.7	11.6	11.7	11.9
G117.0	11.3	11.0	10.9	11.1	10.6	10.5	12.0	11.8	12.0	12.2
G118.0	11.5	11.2	11.2	11.3	10.9	10.7	12.2	12.1	12.2	12.4
G119.0	11.8	11.4	11.4	11.5	11.1	10.9	12.5	12.3	12.4	12.6
G120.0	12.0	11.7	11.7	11.7	11.3	11.2	12.7	12.6	12.6	12.9
G121.0	12.2	11.9	11.9	11.9	11.6	11.4	12.9	12.8	12.9	13.1
G122.0	12.4	12.1	12.1	12.1	11.8	11.6	13.1	13.1	13.2	13.3
G123.0	12.6	12.3	12.4	12.3	12.0	11.9	13.3	13.3	13.4	13.6
G124.0	12.7	12.6	12.5	12.5	12.3	12.1	13.5	13.4	13.5	13.8
G125.0	13.0	12.8	12.7	12.8	12.5	12.3	13.7	13.6	13.8	14.0
G126.0	13.2	13.1	13.0	12.9	12.7	12.6	13.9	13.9	13.9	14.2
G127.0	13.3	13.3	13.2	13.2	12.9	12.8	14.0	14.0	14.2	14.4
G128.0	13.5	13.6	13.4	13.4	13.1	13.0	14.2	14.2	14.4	14.6
G129.0	13.8	13.8	13.6	13.6	13.4	13.3	14.5	14.4	14.6	14.8
G130.0	13.9	14.0	13.9	13.7	13.6	13.5	14.6	14.6	14.9	15.1
G131.0	14.1	14.2	14.1	13.9	13.8	13.7	14.8	14.8	15.1	15.3
G132.0	14.3	14.4	14.3	14.1	14.0	13.9	15.0	15.0	15.3	15.5
G133.0	14.6	14.7	14.5	14.4	14.2	14.2	15.2	15.1	15.6	15.7
G134.0	14.8	14.9	14.7	14.6	14.5	14.3	15.3	15.3	15.7	15.9
G135.0	15.0	15.1	14.9	14.9	14.7	14.6	15.5	15.4	15.9	16.1
G136.0	15.1	15.3	15.1	15.0	14.9	14.8	15.6	15.6	16.1	16.3
G137.0	15.3	15.5	15.3	15.2	15.1	15.0	15.9	15.8	16.3	16.5
G138.0	15.6	15.6	15.4	15.4	15.3	15.2	16.1	15.9	16.4	16.7
G139.0	15.7	15.8	15.7	15.6	15.5	15.4	16.3	16.1	16.6	16.9
G140.0	16.0	15.9	15.9	15.8	15.7	15.5	16.4	16.3	16.7	17.1
G141.0	16.1	16.1	16.1	16.0	15.9	15.8	16.6	16.5	16.8	17.2
G142.0	16.3	16.3	16.2	16.2	16.1	15.9	16.8	16.6	17.0	17.4
G143.0	16.4	16.5	16.4	16.3	16.3	16.0	16.9	16.8	17.1	17.5
G144.0	16.6	16.6	16.6	16.5	16.4	16.2	17.1	16.9	17.2	17.6
G145.0	16.7	16.7	16.8	16.7	16.6	16.3	17.2	17.1	17.3	17.7
G146.0	16.8	16.9	16.9	16.8	16.7	16.5	17.3	17.2	17.5	17.8
G147.0	17.0	17.1	17.0	17.0	16.9	16.6	17.4	17.3	17.6	17.9

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G148.0	17.1	17.2	17.2	17.1	17.0	16.8	17.5	17.4	17.7	18.0
G149.0	17.3	17.3	17.4	17.3	17.1	17.0	17.7	17.6	17.8	18.1
G150.0	17.4	17.4	17.5	17.4	17.3	17.1	17.8	17.8	17.9	18.2
G151.0	17.6	17.6	17.7	17.6	17.4	17.3	17.9	18.0	18.0	18.3
G152.0	17.7	17.7	17.8	17.7	17.5	17.4	18.0	18.0	18.1	18.5
G153.0	17.9	17.8	17.9	17.8	17.7	17.6	18.2	18.3	18.3	18.7
G154.0	18.0	17.9	18.1	18.0	17.8	17.8	18.3	18.4	18.5	18.9
G155.0	18.2	18.1	18.2	18.1	17.9	18.0	18.4	18.5	18.6	18.9
G156.0	18.4	18.3	18.4	18.2	18.0	18.1	18.6	18.6	18.7	19.1
G157.0	18.6	18.5	18.6	18.4	18.2	18.3	18.7	18.8	18.9	19.3
G158.0	18.8	18.6	18.7	18.6	18.3	18.4	18.9	19.0	19.0	19.4
G159.0	19.0	18.8	18.9	18.7	18.5	18.6	19.0	19.2	19.2	19.6
G160.0	19.2	19.0	19.0	18.9	18.6	18.8	19.3	19.3	19.4	19.8
G161.0	19.4	19.2	19.2	19.0	18.9	18.9	19.4	19.5	19.6	20.0
G162.0	19.6	19.4	19.4	19.2	19.0	19.1	19.6	19.6	19.8	20.2
G163.0	19.7	19.6	19.6	19.3	19.1	19.3	19.7	19.7	19.9	20.3
G164.0	19.9	19.8	19.8	19.5	19.3	19.4	19.9	19.9	20.0	20.4
G165.0	20.0	20.0	20.0	19.6	19.5	19.6	20.1	20.1	20.2	20.5
G166.0	20.1	20.1	20.1	19.9	19.6	19.8	20.2	20.2	20.2	20.6
G167.0	20.2	20.1	20.2	20.1	19.8	20.0	20.4	20.3	20.4	20.8
G168.0	20.3	20.3	20.4	20.2	20.0	20.1	20.5	20.4	20.4	20.9
G169.0	20.4	20.3	20.5	20.4	20.2	20.3	20.6	20.5	20.6	21.0
G170.0	20.6	20.4	20.5	20.5	20.3	20.4	20.7	20.5	20.6	21.0
G171.0	20.7	20.6	20.6	20.6	20.4	20.4	20.8	20.6	20.7	21.0
G172.0	20.7	20.6	20.6	20.7	20.4	20.5	20.8	20.7	20.7	21.1
G173.0	20.9	20.7	20.7	20.8	20.5	20.6	20.8	20.7	20.8	21.1
G174.0	20.9	20.8	20.8	21.0	20.6	20.7	21.0	20.8	20.8	21.2
G175.0	21.0	20.8	20.9	21.1	20.6	20.7	21.0	20.9	20.9	21.3
G176.0	21.0	20.9	20.9	21.2	20.6	20.8	21.0	20.9	20.9	21.3
G177.0	21.0	20.9	21.0	21.2	20.7	20.9	21.1	20.9	20.8	21.3
G178.0	21.1	20.9	21.0	21.3	20.8	20.9	21.1	20.9	20.9	21.3
G179.0	21.1	20.9	21.0	21.2	20.9	20.9	21.1	20.9	20.9	21.3
G180.0	21.1	20.9	21.0	21.4	21.0	21.0	21.1	21.0	20.9	21.3

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	1113.2	1113.6	1111.4							
G1.0	1111.9	1112.2	1109.6							
G2.0	1112.7	1111.4	1110.1							
G3.0	1109.4	1110.8	1107.9							
G4.0	1108.8	1109.1	1105.8							
G5.0	1106.2	1106.8	1104.3							
G6.0	1105.6	1106.3	1100.7							
G7.0	1102.2	1101.8	1097.2							
G8.0	1098.4	1099.1	1095.7							
G9.0	1094.8	1095.9	1092.2							
G10.0	1089.5	1092.1	1086.9							
G11.0	1085.4	1087.6	1082.9							
G12.0	1082.4	1082.9	1078.2							
G13.0	1076.1	1077.9	1071.6							
G14.0	1070.9	1070.9	1067.9							
G15.0	1066.4	1065.6	1062.0							
G16.0	1060.9	1059.1	1055.7							
G17.0	1054.5	1052.7	1048.2							
G18.0	1048.3	1045.8	1040.9							
G19.0	1040.6	1038.8	1034.3							
G20.0	1033.6	1031.1	1027.3							
G21.0	1024.3	1023.2	1019.0							
G22.0	1017.0	1014.6	1010.6							
G23.0	1008.6	1006.7	1001.1							
G24.0	1000.1	995.2	991.6							
G25.0	990.9	987.7	982.4							
G26.0	982.1	977.4	973.5							
G27.0	970.9	966.9	963.3							
G28.0	960.9	957.4	954.5							
G29.0	950.9	946.8	943.9							
G30.0	939.0	936.7	932.4							
G31.0	928.7	925.3	921.9							
G32.0	917.0	914.4	908.3							
G33.0	904.9	902.5	896.7							
G34.0	894.0	890.4	884.8							
G35.0	879.7	876.6	871.4							
G36.0	867.8	865.3	860.8							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	856.3	853.3	847.2							
G38.0	842.2	837.4	833.9							
G39.0	829.6	824.0	819.8							
G40.0	815.1	809.8	805.8							
G41.0	801.3	795.4	791.6							
G42.0	787.3	781.4	777.3							
G43.0	772.1	766.5	762.0							
G44.0	757.7	752.3	748.5							
G45.0	742.3	736.4	733.7							
G46.0	726.8	721.8	716.9							
G47.0	712.4	706.3	701.8							
G48.0	696.2	689.7	685.1							
G49.0	681.1	674.4	669.8							
G50.0	665.6	658.8	654.2							
G51.0	647.6	642.8	636.3							
G52.0	632.2	626.1	620.4							
G53.0	615.8	608.0	603.9							
G54.0	598.9	591.4	586.3							
G55.0	581.9	575.9	570.2							
G56.0	564.4	556.9	551.8							
G57.0	548.0	540.6	535.4							
G58.0	530.7	523.5	518.2							
G59.0	513.0	505.5	499.8							
G60.0	495.6	487.4	482.3							
G61.0	477.2	468.9	464.4							
G62.0	458.9	452.6	447.6							
G63.0	442.7	435.0	430.0							
G64.0	423.3	416.3	411.3							
G65.0	406.5	398.7	392.7							
G66.0	389.8	381.3	376.3							
G67.0	370.2	362.7	356.4							
G68.0	352.9	344.8	339.5							
G69.0	333.3	326.6	320.0							
G70.0	316.4	308.8	303.3							
G71.0	299.0	291.8	285.4							
G72.0	280.0	272.5	267.1							
G73.0	262.3	255.8	249.4							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	245.9	239.3	232.9							
G75.0	226.9	220.2	214.0							
G76.0	210.5	203.2	197.9							
G77.0	192.5	185.5	179.2							
G78.0	176.3	169.7	163.3							
G79.0	160.6	153.2	146.8							
G80.0	143.1	136.3	128.9							
G81.0	127.9	120.4	113.7							
G82.0	112.3	105.5	98.0							
G83.0	96.2	89.3	81.8							
G84.0	81.9	74.9	67.5							
G85.0	66.3	59.1	51.6							
G86.0	53.0	45.7	38.1							
G87.0	39.5	32.2	24.6							
G88.0	26.3	18.9	11.5							
G89.0	14.5	7.7	3.9							
G90.0	4.9	4.8	4.2							
G91.0	4.8	5.0	4.4							
G92.0	5.2	5.3	4.7							
G93.0	5.4	5.6	4.9							
G94.0	5.7	5.9	5.2							
G95.0	6.0	6.2	5.5							
G96.0	6.3	6.5	5.7							
G97.0	6.7	6.8	6.0							
G98.0	7.0	7.2	6.3							
G99.0	7.3	7.4	6.5							
G100.0	7.6	7.8	6.8							
G101.0	7.9	8.1	7.1							
G102.0	8.2	8.3	7.4							
G103.0	8.5	8.6	7.7							
G104.0	8.8	8.9	8.0							
G105.0	9.1	9.2	8.3							
G106.0	9.4	9.5	8.6							
G107.0	9.7	9.8	8.9							
G108.0	9.9	10.0	9.1							
G109.0	10.2	10.3	9.4							
G110.0	10.5	10.6	9.6							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	10.7	10.8	9.9							
G112.0	10.9	11.1	10.1							
G113.0	11.2	11.3	10.4							
G114.0	11.5	11.6	10.6							
G115.0	11.7	11.8	10.9							
G116.0	11.9	12.1	11.1							
G117.0	12.3	12.4	11.3							
G118.0	12.5	12.6	11.5							
G119.0	12.7	12.8	11.8							
G120.0	13.0	13.0	12.0							
G121.0	13.2	13.2	12.2							
G122.0	13.5	13.5	12.4							
G123.0	13.7	13.6	12.6							
G124.0	13.9	13.9	12.7							
G125.0	14.2	14.1	13.0							
G126.0	14.4	14.3	13.2							
G127.0	14.6	14.6	13.3							
G128.0	14.7	14.7	13.5							
G129.0	15.0	14.9	13.8							
G130.0	15.2	15.2	13.9							
G131.0	15.4	15.4	14.1							
G132.0	15.6	15.5	14.3							
G133.0	15.8	15.7	14.6							
G134.0	16.0	15.9	14.8							
G135.0	16.1	16.0	15.0							
G136.0	16.4	16.3	15.1							
G137.0	16.5	16.4	15.3							
G138.0	16.7	16.7	15.6							
G139.0	16.8	16.8	15.7							
G140.0	17.0	16.9	16.0							
G141.0	17.2	17.1	16.1							
G142.0	17.3	17.2	16.3							
G143.0	17.4	17.4	16.4							
G144.0	17.5	17.5	16.6							
G145.0	17.7	17.6	16.7							
G146.0	17.9	17.8	16.8							
G147.0	18.0	17.9	17.0							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	18.2	18.0	17.1							
G149.0	18.3	18.1	17.3							
G150.0	18.5	18.2	17.4							
G151.0	18.5	18.4	17.6							
G152.0	18.6	18.5	17.7							
G153.0	18.8	18.6	17.9							
G154.0	19.0	18.8	18.0							
G155.0	19.1	18.9	18.2							
G156.0	19.2	19.0	18.4							
G157.0	19.4	19.1	18.6							
G158.0	19.5	19.3	18.8							
G159.0	19.7	19.5	19.0							
G160.0	19.9	19.7	19.2							
G161.0	20.0	19.8	19.4							
G162.0	20.2	20.0	19.6							
G163.0	20.3	20.1	19.7							
G164.0	20.4	20.2	19.9							
G165.0	20.4	20.3	20.0							
G166.0	20.5	20.4	20.1							
G167.0	20.6	20.5	20.2							
G168.0	20.6	20.6	20.3							
G169.0	20.7	20.7	20.4							
G170.0	20.7	20.8	20.6							
G171.0	20.7	20.8	20.7							
G172.0	20.8	20.8	20.7							
G173.0	20.8	20.9	20.9							
G174.0	20.9	20.9	20.9							
G175.0	20.9	20.9	21.0							
G176.0	21.0	20.9	21.0							
G177.0	21.0	20.9	21.0							
G178.0	21.0	20.9	21.1							
G179.0	20.9	20.9	21.1							
G180.0	20.9	20.9	21.1							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector: